

LIGHTING					
SYMBOLS			DESCRIPTION	MOUNTING HEIGHT	
NORMAL	CRITICAL	LIFE SAFETY			
			SURFACE OR RECESSED FLUORESCENT FIXTURE (TYPE DETERMINES MOUNTING)		
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			SURFACE OR RECESSED FLUORESCENT FIXTURE (TYPE DETERMINES MOUNTING)		
			SURFACE OR RECESSED FLUORESCENT DOWNLIGHT FIXTURE (TYPE DETERMINES MOUNTING)		
			WALL BRACKET FIXTURE		
			INCANDESCENT FIXTURE (TYPE DETERMINES MOUNTING)		
			EXIT LIGHT, PROVIDE DIRECTIONAL ARROWS AS INDICATED ON PLANS		
			BATTERY POWERED EMERGENCY LIGHT		

FIRE ALARM		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	FIRE ALARM VISUAL STATION - LIGHT ONLY	6'-8" AFF TO BOTTOM
	FIRE ALARM MANUAL PULL STATION	48" AFF TO CL
	FIRE ALARM CHIME/VISUAL	6'-8" AFF TO BOTTOM
	FIRE ALARM HORN	6'-8" AFF TO BOTTOM
	FIRE ALARM HORN/VISUAL	6'-8" AFF TO BOTTOM
	FIRE ALARM SPEAKER	CEILING
	FIRE ALARM SMOKE DETECTOR	CEILING
	HEAT DETECTOR	CEILING
	DUCT SMOKE DETECTOR	
	MAGNETIC DOOR HOLD-OPEN	

NURSE CALL		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	SINGLE PATIENT STATION	4'-6" AFF TO CL
	CODE BLUE STATION	4'-6" AFF TO CL
	DUTY STATION	4'-6" AFF TO CL
	STAFF STATION	4'-6" AFF TO CL
	NURSE CALL MASTER STATION CONSOLE	
	EMERGENCY PULL CORD STATION (SUSPEND CORD TO 12" A.F.F.)	4'-0" AFF TO CL
	CEILING/WALL DOME LIGHT	

SECURITY		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	CARD READER	4'-0" AFF TO CL
	CCTV SECURITY CAMERA	CEILING
	DURESS PUSHBUTTON	

POWER - RECEPTACLES		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	120V. DUPLEX RECEPTACLE - (REFER TO RECEPTACLE ABBREVIATIONS FOR EXCEPTIONS)	1'-6" AFF TO CL
	120V. DUPLEX RECEPTACLE SPECIAL MOUNTING HEIGHT - (REFER TO RECEPTACLE ABBREVIATIONS FOR EXCEPTIONS)	COORD. WARCH
	120V. QUADRUPLX RECEPTACLE - (REFER TO RECEPTACLE ABBREVIATIONS FOR EXCEPTIONS)	1'-6" AFF TO CL
	120V. QUADRUPLX RECEPTACLE SPECIAL MOUNTING HEIGHT - (REFER TO RECEPTACLE ABBREVIATIONS FOR EXCEPTIONS)	COORD. WARCH
	120V. GFI RECEPTACLE - (REFER TO RECEPTACLE ABBREVIATIONS FOR EXCEPTIONS)	1'-6" AFF TO CL
	120V. GFI RECEPTACLE SPECIAL MOUNTING HEIGHT - (REFER TO RECEPTACLE ABBREVIATIONS FOR EXCEPTIONS)	COORD. WARCH
	120V. DUPLEX RECEPTACLE	FLUSH TYPE FLOOR BOX
	SPECIAL RECEPTACLE (TYPE AS NOTED)	AS NOTED OR SEE SPECS
	HARD WIRED CONNECTION FOR FILM ILLUMINATOR, COORDINATE ROUGH-IN PRIOR TO INSTALLATION	VERIFY
	WIREMOLD - LENGTH AS REQUIRED	ABOVE COUNTER
	GROUND JACK MODULE	
	GROUNDING COLLECTION BUS	
	GROUND AND RECEPTACLE MODULE	AS NOTED
	JUNCTION BOX	AS NOTED

SWITCHES		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	SINGLE POLE SWITCH (REFER TO SPECS. FOR COLOR AND TYPE)	48" AFF TO CL
	DOUBLE POLE SWITCH - CENTER OFF	48" AFF TO CL
	THREE WAY SWITCH	48" AFF TO CL
	FOUR WAY SWITCH	48" AFF TO CL
	SINGLE POLE SWITCH - KEY OPERATED	48" AFF TO CL
	DIMMER SWITCH	48" AFF TO CL
	VARIABLE INTENSITY CONTROL	48" AFF TO CL
	INTERVAL TIMER CONTROL SWITCH	48" AFF TO CL
	SINGLE POLE SWITCH WITH PILOT LIGHT	48" AFF TO CL
	OCCUPANCY SENSOR SWITCH	48" AFF TO CL
	MOTOR RATED SWITCH WITH THERMAL OVERLOAD	
	PUSH BUTTON SWITCH	48" AFF TO CL
	CEILING OCCUPANCY SENSOR	

TELECOMMUNICATIONS		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	TELEPHONE OUTLET DEVICE BOX LOCATION	1'-6" AFF TO CL
	TELEPHONE OUTLET DEVICE BOX LOCATION - SPECIAL MOUNTING HEIGHT	COORD. WARCH
	WALL TELEPHONE OUTLET DEVICE BOX LOCATION	4'-0" AFF TO CL
	COMBINATION TELEPHONE/DATA DEVICE BOX LOCATION	1'-6" AFF TO CL
	COMBINATION TELEPHONE/DATA DEVICE BOX LOCATION - SPECIAL MOUNTING HEIGHT	COORD. WARCH
	DATA DEVICE BOX LOCATION	1'-6" AFF TO CL
	CATV DEVICE BOX LOCATION	1'-6" AFF TO CL U.O.N
	DATA DEVICE BOX CEILING	CEILING
	COMBINATION TELEPHONE/DATA DEVICE - FLOOR	CEILING

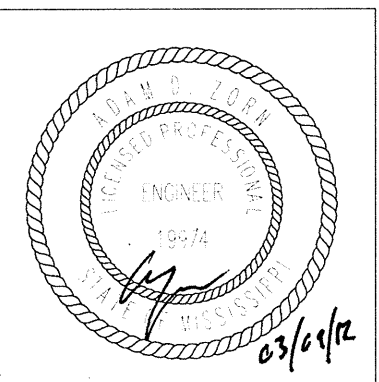
ELECTRICAL ABBREVIATIONS			
ABBR.	DEFINITION	ABBR.	DEFINITION
A	AMPERE	JB	JUNCTION BOX
ABC	ABOVE COUNTER	KV	KILOVOLT
AC	ALTERNATING CURRENT	KVA	KILOVOLT-AMPERE
AF	AMPERE FUSE	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
AHU	AIR HANDLING UNIT	MAX	MAXIMUM
KAIC	AMPS INTERRUPTING CAPACITY x1000	MCB	MAIN CIRCUIT BREAKER
AT	AMPERE TRIP	MCC	MOTOR CONTROL CENTER
ANN	ANNUNCIATOR	MCM	CIRCULAR MILS, THOUSANDS
APPROX	APPROXIMATE	MECH	MECHANICAL
ARCH	ARCHITECT	MFR	MANUFACTURER
ATS	AUTOMATIC TRANSFER SWITCH	MGAP	MEDICAL GAS ALARM PANEL
AWG	AMERICAN WIRE GAUGE	MLO	MAIN LUGS ONLY
BLDG	BUILDING	MTD	MOUNTED
BSMT	BASEMENT	MTG	MOUNTING
C	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CAB	CABINET	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	PNL	PANEL
CKT	CIRCUIT	PH	PHASE
CLG	CEILING	P	POLE
CL	CENTER LINE	PFB	PROVISIONS FOR BREAKER
CT	CURRENT TRANSFORMER	PA	PUBLIC ADDRESS
CU	COPPER	RECP	RECEPTACLE
DISC	DISCONNECT	REFRIG	REFRIGERATOR
DN	DOWN	REQD	REQUIRED
DWG	DRAWING	SH	SPECIAL HEIGHT
EA	EACH	SN	SOLID NEUTRAL
EDF	ELECTRIC DRINKING FOUNTAIN	SPKR	SPEAKER
EF	EXHAUST FAN	SPEC	SPECIFICATION
ELEV	ELEVATOR	SWBD	SWITCHBOARD
EP	EXPLOSION-PROOF	SWGR	SWITCHGEAR
EQPT	EQUIPMENT	TEL	TELEPHONE
EWC	ELECTRIC WATER COOLER	TTB	TELEPHONE TERMINAL BOARD
EXTG	EXISTING	TV	TELEVISION
FA	FIRE ALARM	TVSS	TRANSIENT VOLT. SURGE SUPPRESSOR
FACP	FIRE ALARM CONTROL PANEL	TYP	TYPICAL
FCU	FAN COIL UNIT	UC	UNDER COUNTER
FLA	FULL LOAD AMPS	UH	UNIT HEATER
FLR	FLOOR	V	VOLT
GFI	GROUND FAULT INTERRUPTER	VA	VOLTAMPERE
GND	GROUND	W	WATT
HTR	HEATER	WH	WATER HEATER
HT	HEIGHT	WP	WEATHER-PROOF
HP	HORSE POWER	W/	WITH
HW	HOT WATER	W/O	WITHOUT
HWC	HOT WATER CIRCULATING	XFMR	TRANSFORMER
INCAND	INCANDESCENT	XFR	TRANSFER

DRAWING NUMBER	DRAWING NAME	ISSUE DATE
ES-01	Electrical Legends, Index and Notes	09/23/11
ES-02	Electrical Demolition Plan - Lighting	09/23/11
ES-03	Electrical Demolition Plan - Power	09/23/11
ES-04	Electrical Demolition - Special Systems	09/23/11
ES-05	Third Floor Lighting	09/23/11
ES-06	Third Floor Power	09/23/11
ES-07	Third Floor Special Systems	09/23/11
ES-08	Electrical Details	09/23/11
ES-09	Special Systems Details	09/23/11
ES-10	Electrical One-Line Diagram	09/23/11
ES-11	Electrical Schedules	09/23/11

ELECTRICAL GENERAL NOTES	
1. DRAWINGS ARE SCHEMATIC IN NATURE AND MAY NOT BE DRAWN EXACTLY TO SCALE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF ALL SERVICES WITH EXISTING CONDITIONS AND WITH ALL OTHER TRADES.	
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES AND EXACT LOCATION OF ALL FIXTURES. VERIFY CEILING TYPES WITH ARCHITECT PRIOR TO ORDERING LIGHT FIXTURES TO ENSURE COMPATIBLE FIXTURE TRIMS AND MOUNTING HARDWARE.	
3. ALL CIRCUITS SHALL INCLUDE A GREEN GROUND CONDUCTOR SIZED IN ACCORDANCE WITH NEC SECTION 250, OR LARGER IF NOTED.	
4. WHERE NEW LIGHTS OR RECEPTACLES ARE DESIGNATED TO BE CONNECTED TO AN EXISTING CIRCUIT, CONTRACTOR SHALL TRACE EXISTING CIRCUIT TO DETERMINE CIRCUIT LOADING. THE LOAD ON A 20 AMP CIRCUIT SHALL NOT EXCEED 16 AMPS. WHERE THIS CANNOT BE ACHIEVED, CONTRACTOR SHALL CONTACT THE ENGINEER FOR ALTERNATIVE CIRCUITING INSTRUCTIONS.	
5. IN ADDITION TO ALL WIRING, RACEWAY, AND DEVICES SHOWN HEREIN, CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING, RACEWAY, DEVICES, PULLBOXES, DUCTS, SWITCHES, CIRCUIT BREAKERS, AND OTHER ELECTRICAL ITEMS NOT SUPPLIED BY DIAGNOSTIC EQUIPMENT VENDOR. REFER TO ELECTRICAL DRAWINGS AND VENDOR DRAWINGS.	
6. ALL PENETRATIONS OF FIRE RATED PARTITIONS DUE TO THE INSTALLATION OF ELECTRICAL SYSTEMS SHALL BE SEALED TO MAINTAIN THE FIRE RATING OF THE WALL.	
7. ALL VFD'S SHOWN ON THE DRAWINGS ARE PROVIDED BY DIVISION 23. E.C. TO PROVIDE CIRCUITRY BETWEEN VFD AND MECHANICAL EQUIPMENT.	
8. COORDINATE NEW FIRE ALARM PANEL TIE-IN TO EXISTING FIRE ALARM SYSTEM WITH BUILDING LANDLORD. PROVIDE 120V LIFE SAFETY CIRCUIT(S) AS REQUIRED FOR NEW FIRE ALARM POWER SUPPLIES.	

Revision	Date

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Drawing Title
Electrical Legends, Index and Notes
Approved:

Project Title
RENOVATE 3K FOR MENTAL HEALTH O/P CLINICS
Location
G.V. (SONNY) MONTGOMERY VA MEDICAL CENTER
Date
03/09/12

Project Number
586-09-114
Building Number
3K
Drawing Number
ES-01

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